

### **ABSTRACT OF THE DISCLOSURE**

An auto-metering system for use in a film camera having an automatic film advance system is provided. The auto-metering system has a sprocket wheel having a support member arranged so that when the automatic film advance system advances film, the sprocket wheel is rotated, with the sprocket wheel having a gear engagement surface and a reduction gear engaging the gear engagement surface of the sprocket wheel. The reduction gear has a lobe thereon, and is adapted to move the lobe between a first position to a second position with said movement between the first position and second position occurring at a different rate than the rate of rotation of the sprocket wheel. A metering switch is located at the second position. The metering switch changes between a first state when the cam is not at the second position and a second state when the cam is at second position. A control circuit controls operation of the film advance system based upon to the state of the metering switch. Wherein the sprocket wheel, reduction gear and lobe, are arranged so the lobe is at the second position when the film is advanced by a predetermined amount.